

BRAZIL

FEB 1986

- Pedreira animals update. (no more food)
- Pesagro animals update.
- view of Artibeus under Palm frond.

22 Feb. ?? arising from trapping + processing.
What is a group? What is a territory?
What % groups must be monog for monog. to be mating system.

24 Feb - Processing 19 animals @ 15/anim.

27 Feb - → Pesagro; observe.
Dok + JMD discussion @ training.

2 March - The ^{cur} breakdown bowl.
Nitoria,

7530-00-222-3521

FEDERAL SUPPLY SERVICE

(GPO)

Idimar / Jones begin

Pezagro / Pedreira obsw.

chrysomelas shipments (15 Feb)

Rita attacks (12 Feb)

Mata with Zigue (18 Feb)

Una chrysomelas (20 Feb)

Paco politics (3 Mar)
problems
Dionizio

Pol \$

Ecol \$

Rentro \$

Cons \$

Edu \$

People \$

Brazil

Feb 1986

exchange
rate

~ 17,500 c3 =
\$ 1.00

on 28 Feb 86

Brazil devalued &
changed currency
1,000 cruzeiros became
1.00 cruzado

17,500 cruzeiros = 17.5
cruzados.

FRI

14 Feb 1986 -

Cats owned by

Student for 11 years - 130K

5011

over 100

200

- Coimbra

- 100000

University Reserve

Diogenes in Reserve

- Berant

M^a Teresa?

- PESAGRO - Niteroi

Vicosa

São Roque

A couple who - 4
children which we never see.

→ Jairo & ~~Edmar~~ Idimar
(pronounced like
Edmar)

14 Feb (Fri.) } Place trap
 15 } E, O, T, arrives - the last
 16 } Pesaggo, Pedersen,
 Students, Dionizio,
 Cambuchi

17 Feb Mon }
 18 TU - Dionizio (Reserve)
 19 WE Reserve / LPRJ / Coimbra
 20 THU ZOO / FBCN / IBDF
 21 FR Berant

22 Sat
 23 Sun

24 Feb Mon }
 25 Feb TU } Trapping - RESERVE
 26 WE }
 27 TH }
 28 FR }
 1 Mar SA }
 2 " SU }

3 M } Brasilia
 4 T }
 5 W }
 6 T }
 7 F } Devra leaves at night

8 S } São Roque
 9 Mar. S }

10 M } Vicosã
 11 T }
 12 W }
 13 Th JD + LA LPRJ

Reserve
 (course) Tilton
 (Students) Doris

Zoo
 IBDF - Chrysomelas
 - course - ED

roads
 firebreaks
 w/in Reserve
 Dionizio's
 budgets. 300 comb.
 - ~~Reserve~~
 - ~~una~~
 - Brazil Zoo
 - training IBDF
 people in U.S.
 (Ivo)
 - record keeping on
 GLTs owned by
 IBDF

RIO ?
 - student for Wainwright
 - FBCN
 Zoo
 - Coimbra
 - Belém

increasing Reserve
 Dionizio in Reserve

- Berant
 - M^a Teeza?
 - PESAGRO - Niteroi

Vicosã
 São Roque

FR1

14 Feb 1986-

arrive Rio de Janeiro @ 11⁰⁰ hrs
Time difference 3 hrs later
Than DC. Plane only 1/2 full.

at airport Domingos + wife
Herci with kids Bruno +

Priscilla (?) — Beth
Laurenz Pinder. Also

Beth's mother + sister (leaving
after Carnival). Also Andrea +
Norma; two S.J. women.

Went straight back to Reserva.

Stopped at Silva Jardim
to leave off Andrea + Norma +
ended up with flat tires.

In fact all the Kombi
tires are near bald from
the Reserve's rocky pebbly roads
+ the asphalt of BR 101.

At Reserve are Zigue
and the new ~~couple~~ couple
to replace Elpidio + Lixinha
(Tixinha) —

A couple with several
children which we never see.

→ Jairo & ~~Edmar~~ Idimar
(pronounced like
Edmar)

14 Feb
FRI

Beth overweight and young altho Ray
look about 10-15 years older (in
size) than probable age.

By the time we get settled in,
I'm exhausted + rest twice before
dinner.

Meanwhile I discuss with
Inez her application to Jersey +
Maryland. Laurence indicates
that he applied to Colorado,
Florida + Oklahoma, but didn't
have time to apply to George
Mason.

All had gone to Zool. Conference
& had just returned a week ago,
Saturday before Carnival
(today's day). Conf. not as good
as previous year with
few primatologists present
(No primatol. congress).
Conf. in Mato Grosso, Cuiabá.

OLT project had talks by
Inez on Centro; Laurence foraging
by OLTs; Beth on educ. project.

promised talk by Ricardo + Elena.

Re: animals:

GLTs in Pedreira:

(A) They haven't seen Ron, #9, + Rita since 31 January.

Rita ~~has~~ attacked Zigue in mid-Jan. They estimate that her young were born ~ 6 Jan.

(B) Pandora + Micueca were copulating about one week before she aborted. Data indicate that she aborted @ 129 d. after introduction, but main copulatory activity began about 1 week after introd. ∴ abortion was full- or nearly full-term. No sign of fetus.

About one week after abortion Aphrodite started hanging

out with Micueca + scent marking a lot. Not clear what is happening (Pandora weight on 15 Feb is 540 compared with Aphrodite + Micueca over 600. Young "Z" whose first birthday is 15 Feb (amanha) weighs @ 470g.

May be that Pandora is failing. Note: Inês indicates that they are no longer supplementing. The animals in the Pedreira.

GLTs in Pesagro:

Are still being supplemented on alternate days. Recently fruit availability has decreased and N.O. group is eating most of provisioned food. Wick. only eating about 1/2.

In Nov. — Feb.

(a) Group are having encounters

14 FEB
FRI

14 Feb
FRI

almost every day - seeking each other out between 0900 - 1100 hours. Encounters involve lots of running but no serious aggression.

(B) Copys:

No births except Maria; eldest ♀ of Wick group copulated with Lancelot & Prometheus of N.O. group. Jodie; has copulated with her brothers; Juan & Pepe.

Limited copulatory activity in N.O. group.

(C) Encounters & tree holes:

Wichita was only natural den holes now since their original box is inhabited by bees. (They have smoked out the bees several times).

Assistants don't know where they are sleeping since they get

to study area too late & leave too early.

Encounters are very ritualistic & similar to those of wild tamarins.

Carlos group

Laurenz recently trapped them. There are ^{at least 2} ~~litters~~ [four young]. Weights ~ 290 290 237 270 which don't correlate particularly well with body size. However, there are probably 2 litters of 2.

Laurenz also caught ^{the} 1 ♀ 10⁺, 1 SA ♀ (from last year), and saw a 4th animal ^{missing} ^{either} ^{adult} ~~was~~ the 2nd adult ♂ ^{or} the 2nd ♀. NOT clear whether latter had died, disappeared, or just temporarily missing, nor which animal was gone.

The untrapped animals apparently wanted to get to trapped young; so it may well

have been the other lactating female. The young were however independently locomoting & might be close to weaning. (More likely the ♂ rather than The ♀ disappeared).

There is a young ♀ GLT at The PdA Lab. She was confiscated in Casimiro during the previous weeks. Had entered a home after some forest was cut.

Forest is still getting cut along BR 101 in the fazendas.

14 Feb
FRT

General complaints by Beth & Laurence.

① Dionizio has barely been to Reserva — in States for 5 weeks; Belgium for 8 days and on holiday the whole month of January. Also there is a new Delegado for Rio & Dionizio is 2nd in command in Rio which means > time in Rio.

② Guards have not been to Reserva for a long period. IBDF has been building a Reserve headquarters on 104 & it may be that the guards stay there. But they have been doing little patrolling of the Reserva since the Dietz left. Thus several farmers who want to donate "mata" to a Reserve status haven't been able to get the paperwork done.

15 Feb
SAT

15 February 86

Off to Pesagro in AM with
Diniz + Jim. Near gate see 3 or
4 GLTs West of Gate inside P dA.

- ① ~~El~~ Elsein has one Kombi
+ brings field assistants
to field site from Silva
Jardim about when we
arrive (0900) — Too late —
or at least not staggered.

We need observers early +
late!

- ② Pesagro (like REBIO P dA)
is spotless. Everyone has
spent time cleaning.

- ③ We get out to field @
0930 + meet pretty
quickly with Wichita
group. They locomote
well but jerkily, especially
Juan with $\frac{1}{2}$ tail.

Maria, the eldest, has the

collar + still hangs out
separate from the group.

Pepe + Jackie seen eating a
purplish fruit about size of
a grape. Accompanied by
lots of good chirps but
little food sharing. Juan
finds and eats ~~a~~ a land
snail — ~ size of a
large grape or thumble.

Again accompanied by
good chirps. Juan's first
feeding bout that I see is
with remains of an orange
supplemented.

All animals look excellent
with good color.

Jackie ✓
Maria radio
Pepe

They also tear up + eat bromeliad
leaves! But no twigs.

15 Feb.

SAT

We find Elizea looking for
NO but unable to locate because
(for 1st in 2 1/2 years) The
Nikad batteries from the
receiver have gone dead.
With receiver working, we find
group —

Conclude that they had
already had their encounter with
which + were proceeding onto
business. No one sure where
they sleep but both groups have
overlapping territories.

Butterscotch the older ♀,
is moving on the ground lots.
Apparently this is her 2nd day
like this. Her eyes look bad
although she has no diarrhea +
except for wetness, her coat looks
good.

Hera — ✓
Venus — radio ✓
Lancelot — radio 0
Prometheus —
Butterscotch —

On way back to Reserva purchase
2 new tires since both front
tires are bald — and
dangerous. As we drive
thru Reserva meet w/ Zigue.
Elpidio + Otavio have just
arrived to help out ~~with~~.
As usual Elpidio melts into
the walls, while Otavio
is friendly + outgoing.

15 Feb — SAT

After returning to REBIO
Dionizio Herci + kids are
present + churrasco is in
making. Discuss some business.

- ① BERANT: Had some deaths, fired
1/2 his staff + turned over
ALL Leontogutheas to IBDF.
Only one chrysomelas remained
which went to São Paulo with
6 GLTs. 7 other GLTs
went to Coimbra. NZP #5
we think went to São Paulo.

• São Paulo, Rio, CRRT have
considerable numbers of GLTs
+ São Paulo + Coimbra
have many chrysomelas.

- ② Chrysomelas: There is nothing
now stopping the
shipment of chrysomelas
to the States. Dionizio has
been given responsibility
for their distribution +
transport by the new

President of IBDF. ^{may be} Note:
IBDF no longer ^{may be} under Ministry
of Agriculture but may be moved
to ~~off~~ Environment (SEMA)

Dionizio wants to send the 16
Belgian animals + 4 of
Combras. Coimbra now has
many. Four animals ^{may} ~~be~~ not
in pairs.

Dionizio indicated that Corten was
retiring + his son taking over.
Apparently the Belgian animals
were kept in one (!) cage
- which was so dark + cold
- that they had one hour of light
per day. Dionizio thinks we
need to find them another home
+ even recommends that
England buy them. Dionizio
mentioned that Brazilian
govt thru WWF Belgium
paid \$ 5,000 for animals.

15 Feb
SAT

Our schedule (projected)

Days 1-3 - PdA -

Day 4-6 - Rio Barant Coimbra
IBDF Rio Zoo

New Delegado in Rio IBDF office
+ new Director of Rio Zoo.

Day 7-17 Trapping

Day 18-21 Bioria IBDF; Zoo;
Milton Thiago and

a stop in Belo Horizonte
to see Bastos + Celio Vale
(recommended by Russ Mittermeier).
Dinner with Dionizio before airport -

Thoughts: Perago animals look
excellent + it's amazing that
they are ^{all} still alive + look good.

Perhaps ¹ August is a better
release time than May.

Certainly ² releasing in family
groups is preferable to
pairs.

³ Surprised that no wild tamarins
have encountered our groups

in Prague.

Locomotion:

Energetics:

would be two interesting studies. Have Teel Grand film released vs. wild animals. Could he fund it?

Have Steve Thompson do BMRs on Tamarins + marmosets at NIH. Then try GLTs in NZP + REBO P/A.

Need to set stage for studies of
① Speothos, Giant otter, Pteronura,

② Brazil tour

③ GLT studies in Uta.

④ Zoo cooperative ventures.

⑤ Zoo control - Marleni no longer looking at captive breeding + maintenance of endangered species.

16 Feb.

SUNDAY

16 Feb 86

Out to Pedreira area in AM with Jim, Inez, Zeke + Andrea.

To observe Micueta group + try to find Group 1.

Micueta group found very soon near rear entrance to Pedreira area.

Pandora looks thin - + moves more slowly - Apparently she has not been locomoting well + her fur looks a bit ragged.

Z - The yearling (B'day 15 Feb 85) born to Vera + Micueta - looks very well; with a golden woolly coat and lots of energy.

Aphrodite seen scent-marking a lot while Inez

16 Feb

SUND

said she started after Pandora
apparently aborted.

~~There~~

No sign (obvious) of
pair bond between Mucuca +
Pandora.

Mc. behavior very similar
to always. The strong silent
type. Often ~~off~~ on the
groups periphery, but
always the leader.

A good tamarin.

Jim + I took lots of pictures,
feeding on fruits & micromanip.
and completely disturbed
observations.

Then left + went slogging
thru Pedreira looking for.

Group #1 - Ron, Rita + 2 kids.
Ended up at Viveiro #2

location where they have
retained platform for baiting.
Left some bananas but no
animal sign.

16 Feb

Sunday

Went as far as Viveiro #1 location — which had grown back considerably. Couldn't find the nest box nor the original trees on which the nb hung although the area was still recognizable. It was eerie — because so much more emotional effort had gone into Viv. #1 (animals (Kings Island) and there the ~~site~~ site was abandoned. Reminded me of an abandoned Maya pyramid ~~which~~ whose purpose could not be recreated because not enough evidence about function.

Slogged back to car from brya + had lunch.

Group #1 apparently hasn't been fed for over a year and hasn't been

seen since mid-January + before that not often since no radios are working and they are harder to locate (than Micueta (#9 still holds a transmitter)).

They are hard to trap so that it's nearly impossible to work ^{them} up + keep marks organized.

After lunch — Jim ~~works~~ works with banners; I work on AA2PA paper.

For dinner maracujá batidas; great rice + ~~feijão~~ Feijão (beans), and I work on making choc. chip cookies.

Elpidio + Otavio eat with us, but Elpidio won't eat until Lon Ann fills his plate.

Young woman from Viosa, Christina,

met

16 Feb

SUND.

majoring in biology has shown up
and is very loud + talkative,
often laughing loudly at her
own stories while others just
smile. She seems to little understand
staying quiet enough to interact
in acceptable ways. But
Jim said everyone from her region
is that way. There is apparently
one story she tells about her
father drinking her mother's
breast milk that shocks most of
the PdA crew, despite their
sophistication.

In any case she is Laurenz's
Inez ex's responsibility.

I think Jim + I drank
a little, a little later.
He, wolfing down wild Turkey —
I finished off a bottle of
Glenfiddich —
not much left.

17 Feb

Mon.

17 Feb 86

Went out into zeke 1st thing
to try to locate Rita + Ron + #9
+ kids.

Haven't been seen since 31 Jan
@ when zeke was bitten by Rita.

We slog thru Breja + zeke finds
them easily at Vireo #2
location @ 1000 hours.

Rita + #9 approach w/in
about 20-25 m, both w/ mobbing call.
Rita more closely. (#9 with radio).

Zeke holds back. I begin
talking + periodically approach,
but especially retreat when
she begins to move towards me.

I see animal in background
carrying infants; later we
determine that there are still
two.

Rita produces rapid cluck wh/
is incredibly harsh + rapid
+ aggressive sounding.
Also periodically arches + AW.

The ~~so~~ vocalization sounds more powerful than any I'd heard. And it was so clearly aggressive & different from mobbing.

Zeke indicated that she would produce sound when agitated, when 1st seeing you, but she was generally quiet when she finally advanced to attack.

Rita clearly moving between us and Ron with infants.

Later Zeke & I realize she may also have been aggressive since she was protecting the urveiro platform "food source" of bananas.

Aggression not just due to site & babies since she had attacked Andrea at another site while pregnant.

17 Feb
MON

At one point she advanced in trees & Zeke & I retreated.

Eventually we retreated 3 times; The last two times when she approached, she was totally quiet & moving very quietly & deliberately close to the ground. She came w/in 2 m of me on the ground before turning back. ~~she~~ carried a heavy stick, but was actually nervous — she had no fear of humans, had successfully attacked before. Could happily do so again.

My strategy was ① to speak normally & move around
② to try not to retreat at all her advances (don't reinforce aggression)
③ scream at her if she advanced too closely (noise instead of force)

My strategy didn't work well on DAY 1.

17 Feb.
MON

Both infants heard rapping:
seen locomoting independently.
Both ~~on~~ ^{Inf.} on Ron: Then one
on Ron; one on #9. ~~but~~

Later when we returned after a
retreat, Rita was nursing one of
the two + tried to push it off
as soon as she saw us. But
she wouldn't approach while still
carrying the infant. And was careful
when trying to push infant off.

Both infants seen in locomotor
play: adults tuddling on
branches with Inf. running
back + forth. ♂♂ very
comfortable with each other.
Hard to say which ♂ is dominant
or the mate — if only one —
since no evidence of favored
relationship between Rita + one of
two males. Both ♂♂ seen ^{allo-} grooming during
huddle.

Rita arching; mob calling; +
scent marking (several) all
at same time.

Infants are maintained @
40 m distance with Rita
usually between us + Mom.

Eventually Rita runs us off.
We're with the group about
2 hours at same location.

During Pedreira walk,
we hear howlers. Zeke
sees/hears pig (in fact
lots of pig tracks) and I
photograph a tree ~~snake~~ snake
sitting on branch over the
trail.

We walk
Back to house — have
lunch.

Zeke says They often see Cebus.

17 Feb 86

MON

Talk with Dionizio after lunch
re:

① GLT shipment to LA; NZP
and Intern. M.C. role.

He decides that he wants all
20 animals to ^{go} thru on NZP
permit as NZP responsibility
regardless of final destination.

Dutz explains loans, records
problems, breeding agreements
with IBDF from GLTs + what a
mess it was.

I realize that I am explaining
a set of processes + approaches +
agreements made with other
people which Dionizio, as head
of Poco das Antas, wasn't aware of.

Later he chides Lou Ann Jim + me
that the Rio Delegado didn't
have

- ① a GLT Handbook
- ② The Projects budgets or
- ③ Progress reports.

He had visited Olsen to
try to find our budget
thru FBCN, but could only get
info. on WWF budget. ^{new}
The pressure was from the Rio
Delegado who ~~wanted~~ thought
rightly that Dionizio should
know

- ① what we were doing and
- ② how much it cost.

Dionizio plans to visit Brasília
with us and warned us not
to speak of Maria Teresa &
Jordan.

Start fresh — anew —
forget old organization.

Had huge dinner, including
bromeliad couple Ricardo & Elena
who now are married & live
in Silva Jardim.

Then watch video of NGS
special on Chesapeake. at center
2 + LA Dietz, Oak, Lawrence, Inez Zeke Betz
Christina Ricardo Elena

18 Feb 86
TUES

18 Feb 86

0800 hrs

Go out to Carlos area to try to
find Carlos group — apparently
now with 2♀♀, 2 letters
1SA♀, 1♂. On last trapping + count,
one male was missing.

As we enter into mata, heard
GLT long call from Portense
area [0815 hrs]

Waited / no encounter — Started into
mata area; another GLT call.

Back out, waited; never
saw these animals

Took main krejo circular trail.
Hit bait platform. ~~Zeke~~
~~Zeke~~ Zeke & I wait a
bit & then decide to not sit but
to move. We backtrack & begin
climbing. Walk for about another
3 hours all thru Carlos study
area, but never see or hear
GLTs.

18 Feb 56
TUES

At one point Zeke is nervous
that we are lost. Neither of us
know the area well, ~~but~~ and the
map has topographic but no
vegetation features. Fortunately,
we tend to agree on where we are
and on the general direction for
movement. ~~After~~ About 11:30
we actually emerge close to
where we entered.

We were either lucky or smart!

1038 hrs. I see a phyllostomid
(artibeus or larger) hanging alone
from a palm frond*. Looks
extremely heavy. Possibly gravid ♀.
I take several shots with flash.
Bat flies away after 2nd or 3rd flash.

* not a spiny palm and @
2 1/2 m off the ground.

My first bat as well as Zeke's 1st
observation of "murcelego"
"na mata"

18 Feb 86
TUES

At another point we approach near bee's nest, but Zeke very worried + we back off and circle round.

In PM I worked on AAZPA Long Range Planning Comments. Evening we watch video of Carnaval from Rio in 1984/1985, each of the schools.

I finally begin to understand the complexities of the competition between each of the samba schools + the money + people involved.

You are seeing the expenditure of \$30-\$40 million dollars in time, costumes + floats by Brazilians in the Rio schools alone.

Competition is on ~ 10 factors, including costumes, theme, dancing, music + lyrics, organization etc.

And they all file past at the

huge stadium ~~is~~ in Rio.

The whole carnaval in Rio seems terribly tame + organized now, compared with what used to be when the samba schools didn't compete formally + simply danced thru the street.

19 Feb 86
WED ~~THU~~

19 Feb 86

Woke up and spend major part of day with diarrhea, vomiting, etc.

Jim + I were due to go to CPRJ to see GHLT, but we only end up going to Rio late P.M. since I can barely move.

The "Revenge" is interesting because the diarrhea is limited. I have no energy; pass out when I stand; and vomit up ~~a~~ what I eat.

I have chicken soup at Novo Mundo in evening and sleep again until 0700 hrs.

Basically I sleep almost non-stop from

12 Midnite ~~1200~~ 19/20 Feb
to

0800 hours 21 Feb - ~ 32 hrs.

20 Feb 86
THURS.

20 Feb 86 -

Diarrhea in AM, but I decide to see how things go since I didn't vomit dinner and held breakfast. Also I felt less totally weak.

First stop Rio Zoo at 09⁰⁰.

Visited with

new director - began 1 Jan
Architect:

Paulo Celso Martins Brandão
Also present was curator/anim. mgmt/
vet. I interested in herpetology.
I had met her before [blonde: stocky]

Carmen Lucia da Silva
home: Rua Professor Gabizo 29
Rio de Janeiro RJ CEP 20271

Carmen eventually expressed interest in turtle taxonomy
* lizard * turtle reprod. *
artificial reproduction incubation.

Carmen hoped that she could get help with pond turtle taxonomy and thought she might want to try to apply for some support to visit U.S.

First part of visit included.

- ① J + LAD + Oak
- ② Deonizjo
- ③ Paulo - Director
- ④ Carmen -
- ⑤ ♀ veterinarian - don't remember her name.

~~Explained to J + LAD + Oak~~

We explained GLT project in all ramifications and expressed interest in collaboration.

Paulo interested in everything, but decisions to be made.

20 Feb 86

Thurs.

Paulo new at Rio Zoo; 1st priority straightening out the financial situation. Zoo has just become a Foundation + will probably take over concessions to make \$.

To date, all \$ from Rio city govt + all profits returned to city coffers to be distributed.

Rio Zoo apparently has staff @ 100; half of staff @ 8-10 years ago. So Paulo is

- ① reorganizing structure
- ② hiring
- ③ getting financial condition straightened out.

seems more interested in educational programs vs. animal management although Jim + Lou Ann steered conversation to that end.

He indicates that zoo may get 35,000 people on a Sunday and averages 250,000/month

Given its small size, it's a huge

20 Feb 86
Thurs.

burden and on crowded days is probably a problem for people + animals.

He has small auditoriums: wants to develop audio-visual program using slides, film, video. Although no one can imagine how he will control access when he has a 20,000 visitor day.

I suggest — charge more on weekends and have free days during week.

During our visit; the following groups of people come in

- ① The Hd (?) of Parks + Recreation Dept — over the zoo.
- ② A group of ~~two~~ reporters + photographers from ~~Rio de Janeiro~~ ~~Journal de Brasil~~ to do story on The Jefe.
- ③ The Director of the zoo in Recife
- ④ The new Education Specialist for the Zoo — a man with a degree in history + minimal teaching experience.

Director Recife zoo [In position
~ 3 years]
Mauricio Jorge Cavalcanti de Sá
Horto Zoológico de Dois Irmãos
Praça de Dois Irmãos S/N
Recife PE CEP 50,000
Telefone
081-268-1354

20 Feb 86

Thurs.

Zoo Rio has about 2000 specimens

One pair of pale, small GLTs
[arrived after being confiscated]
about 8-12 mos. ago.

They look a bit stunted, but
pelage is good altho pale.

They are housed off-exhibit;
~~are~~ in wire + wood cages
attached to cages housing
marmosets and a group of
squirrel monkey, one cage
removed.

They are feeding them on a
wide variety of fruit, but
probably little protein.

Paulo had made a trip to CPRJ
with his staff. They felt that
Coultra was over vitaminizing
his animals

Everyone at zoo smoking like
chimneys.

20 Feb 82

Thurs.

Note: RE: BERANT

Berants animals have all
been dispersed

1 ♂ Chrysomelas

2.2 Rosalia (including NZP ♂ #5)
have gone to CPRJ

All others; both Rosalia + Chrysomelas
have gone to São Paulo.

Check numbers with Dietz.

J. LA. + I
After zoo, visited FBCN -
(I downed a pizza + beer
with surprise)

Saw Almirante Ibsen @ 1330
discussed many topics:

① Discussed Changes at IBDF.

② Maria Teresa at CESP, but
only as administrator. No
conservation activities.

③ The dust has yet to settle
Ibsen thinks that IBDF
will

New Pres. IBDF
Joésio DEOCLECIO PIERIN
SIQUEIRA

~~Director~~

Address: phone
Jordan Wellauer
SQS 102-C-607
Brasilia
Telephone: 226-2602

20 Feb 86

Thurs.

move to SEMA under Nogueira
Neto before too long.
Unfortunately, SEMA has much
less money than Agricultura,
and much of IBDF money is
from forestry and not parks &
reserves.

③ ~~Plot~~ Turnover derived from
a "plot" apparently involving
M. T. and Jordan (may have
been ung leaders) to unseat
previous IBDF President.
They succeeded, but the day
before he left office, he
moved every department
head & every person associated
with the "plot" out of office.
Downgraded their positions.

④ New ^{President} ~~director~~ of IBDF is
friend of Ibser's & Ibser
made appt with him for
us on 3 Mar.

⑤ While in Ibser's office, he
heard that Jordan had been given new
position as "Special Assistant" to
PRES. IBDF. The fallen rise!

20 Feb 86

Thurs.

(1) New Pres. IBDF is economist & good friend of Nogueira Neto's.

New lead of DN - also economist.

Isen recommends that we speak to them both about expanding the P d A Reserve.

(2) Poco das Antas

Discussed potential for expanding Reserve size.

According to Lou Ann, Souza Cruz (Philip Morris) or

~~Roberto Marinho Ids.~~ are

interested in donating a lot of money to the Reserve * & one way would be by helping to ~~expand~~ add a chunk of land to the Reserve. However, ~~the~~ govt.

cannot disappropriate land & pay for it with a private

donation since all donations to govt go into general coffers. Can't be focussed or directed.

* actually they want to donate to GLT conservation, initially

* donation actually to CPRJ but it is being suggested that they donate to Reserve.

20 Feb 86

Thurs.

Jim + LA both know of several pieces of land adjacent to REBIO that have some forest & would help. But looks complicated.

(3) Una + Chrysomelas

(a) Jim tried ~~various~~ ^{times} several times to get answer to some hard questions about future research in Una from Ibsen + Ibsen either didn't understand or avoided. Jim said we'd been invited to work in Una but that 2 other groups had plans (1) Celio Vale, Mihermeier, Rylands, et UFMG and (2) Langguth + Carmen Alonso)

(Ibsen kept referring back to problems with chrysopygus trapping operation at Morro do Diabo where state + feds. had clashed + state had refused feds. permission to collect animals from area to be flooded (6 were collected by Lauritz Pinder) (30 more were supposed to be collected

(state rep. Cory Carvalho)

Animals supposed to go to CPRJ.

^{before} deforestation began in 2 weeks.

Sao Paulo state agency refusing permission since Morro do Diabo is state park.

20 Feb 86

Thurs.

Ibsen suggested that similar problem wouldn't exist at VNA, but refused to respond to questions of control of programs. He did suggest that a common plan be developed where everyone knew everyone else's intent.

At the moment, there was no research in Uru.

(b) Squatters have begun to be removed.

(c) Ibsen suggested Celio Vale for Internat. M.C. for chrysomelids + suggested waiting on Jordan Wallauer + M.T. participation.

(4) Ibsen mentioned a "Society for Protection of Pantanal" developed by Mato Grosso farmers for conservation efforts. Suggests such an approach + effort might work at RJ state.

⑤ There have been many more
muriqui sightings lately.
Dietz says he's not surprised

⑥ Pantanal: I discuss future
potential research with Ibsen.

- a) Speothos - in Amazon; he
has no info.
- b) Pteronura are beginning to
be seen more commonly in
Pantanal. There is a physician
studying them on private
ranches & Ibsen thinks I
could get info. re: study sites
from him.

Recommendation: I write Ibsen
2-3 mo before visit. & he
will try to arrange some visits
to some sites in Mato Grosso.
He suggests that private fazendas
may be better than nat'l.
parks.

Physician's address may be
available through Farmers
Assoc for Protection of Pantanal.

20 Feb 86
Thurs.

We also asked Ibsen for help
with names of students &
what was happening at zoo Rio.
For the latter, he suggested waiting
until we'd just settled.

LAD then spent some time on
vacts. with FBCN Acct. by which
time we were almost late for
IBDF appt. so FBCN lent
us some horrendous amt.
of money.

To Dionizio's office:

① He did letter for FONZ
tour.

② We (hah!) told him
about Jordan's meteoric
rise.

③ Visited with Rio delegate

NEW DELEGADO: RIO

Luis Toledo
(Dionizio's boss)

20 Feb 86

Thurs.

Jim expected great stormy silences,
but the Delegado ended up having
his own agenda.

Man @ 38-42 years. A banker
or economist. Looks very
organized & a good manager. Has
made Dionigio 2nd in command of
office.

Jim & LAD talk about expanding
Reserve & need to push ahead.

Thank Delegado for support &
specially congratulate Dionigio
on his work & recommend that
he needs to spend more time
in Reserve.

[Dionigio has barely been in
PdA since October since

- a) FWS course was @ 6-8 weeks
Oct/Nov
- b) he went to Belgium
- c) he was off whole month
January.

Delegado's agenda was mainly what

to about the Tijuca Park Rehab.
Ctr. (Triage — they go to 300
— " " " wild
— " die)

They have had lots of criticism.

Delegado had several committees
look & advise & most had
different recommendations.

Combra recommends constructⁿ
far from Rio because of potential
zoonoses (animal disease →
humans). He was worried
about yellow fever & malaria.

Others say stay in city, but move
to over federal land.

I offer NZP help & advice whenever
he wants it; but he needs
to know what he wants from
us.

20 Feb 86

Thurs

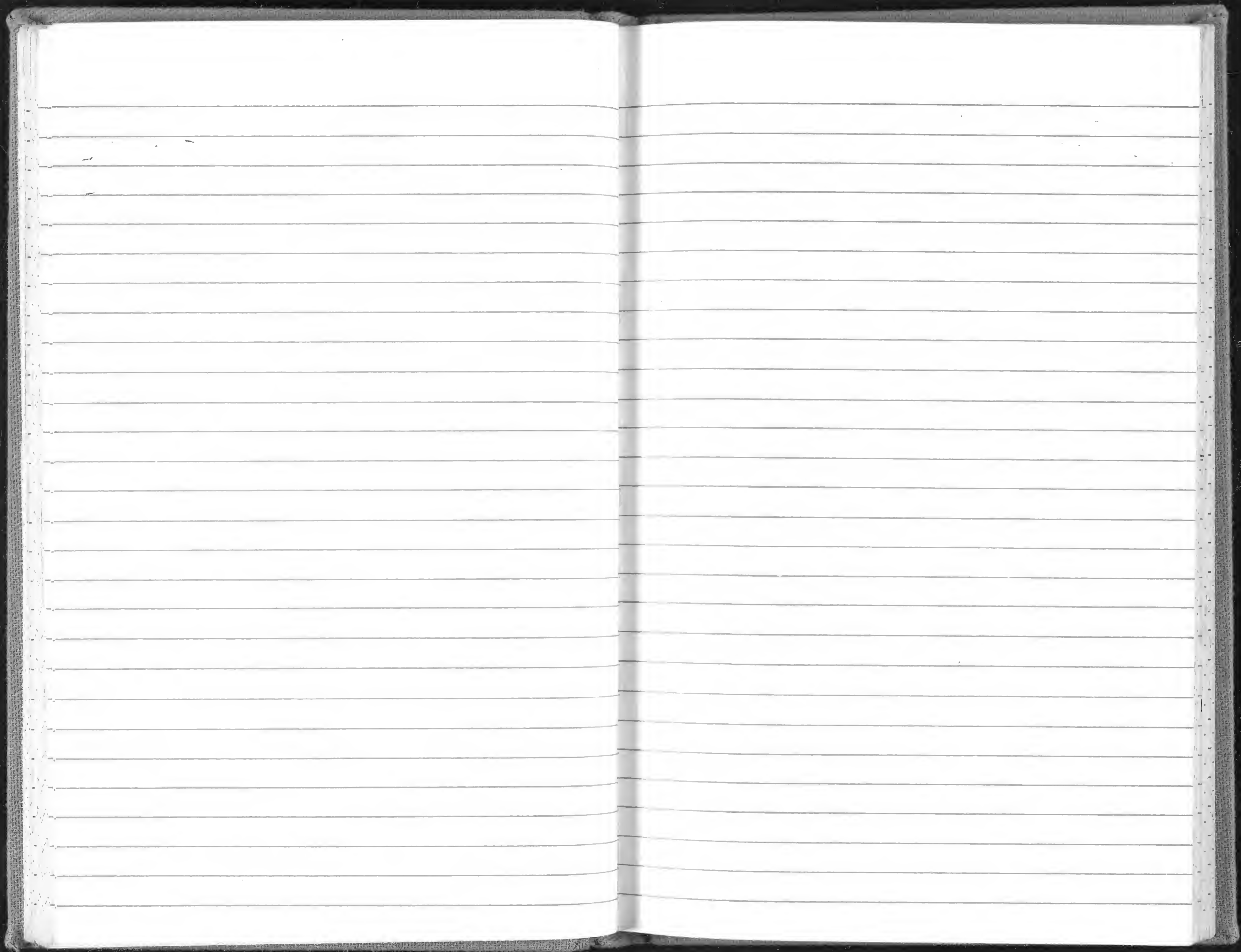
We recommend developing
educational materials about problems of
rehabilitation.

I think we also recommend 2
sites; one, a quarantine for
newly confiscated animals [at any site] +
second, an exhibit area of confiscated
animals with a major conservation
message [in town].

We will also try to put him in touch with
the National Wildlife Rehabilitators
in the U.S. (or at least the
vets working at the Tijuca quarantine
site).

We run to dinner with Combra at
Restaurante Plataforma in Leblon.
Good Churrasco + apparently with
a good expensive floor show
upstairs.

Discuss the chrysomelids; my plans
for a GLT edited volume; a
few other odds & ends.



21 Feb 86

FRIDAY

Straight to Rio Consulate where we
are immediately hit by new
Administrative Office —

Mr. Everard Taylor

who runs us into ground -
Who are we? How do we get
clearance? How long have we been
around?

Apparently, he has been brought in to
clean up the Rio Consulate
in terms of wasted money and
lack of security.

He grills us, but acts busy +
worried all the time. Schizoid
with some friendliness + 'lots
of hostility'. Writing memos;
aggressively ~~being~~ putting stuff
on the spot.

Jim sums it up — an asshole.

Our later analysis of his
bizarre behavior resulted in

21 Feb 86

FRI

several thoughts.

① We had high security clearance, but only I had a red passport.

② ~~He~~ He had spent lots of time in Brazil and had a Brazilian wife, but got pissed when Jim spoke of his experience in Brazil.

③ He wanted to use ~~us~~ as an example / model of how a terrorist ~~gals~~ thru the cracks. And wanted to terrorize his staff.

We finally got out + LA and I managed to make some phone calls in a telefonista below IBDF.

[Digression: Making telephone calls is the biggest time waster of anything. Finding phones + getting on them. We needed to call Elza Swaget; Berant; Milton Thiago; Judith Block; Bastos, Celio Valle; and managed to get to Milton + Elza to leave messages].

Left for CPRJ @ 11³⁰ hours + arrived about 13¹⁵. Coimbra due to leave at 14⁰⁰. We start talking fast

I spent the whole drive out trying to organize chrysomelas ~~was~~

① Exchange gifts.

② Is he interested ~~in~~ would he support Dniz working for her MS at CPRJ — YES

③ Claudio Padua: He's really angry at C.P. and Russ M. for deciding to send Claudio to Gainesville. Says he's had a very difficult year, with CPRJ almost folding + his health suffering.

④ FONZ tour: Wants to think it over but sounds as though he might agree but only if M, W, or F. visit.

⑤ Doesn't want to co-author with Maria Teresa — Says she used to be nice but is now very arrogant + not making biological, but political decisions. I should talk to Russ.

⑥ He's agreeable to cooperate with Ballou doing The chrysomelas studybook.

21 Feb 86 FRI

We checked out all the Belgian
L-r. Chrysomelas + some new
GLTs from Berant.

Berant sent $\frac{1}{2}$ his GLTs to São
Paulo zoo; $\frac{1}{2}$ to CPRJ.

NZP male #5 is at CPRJ.
Also 1.0 Chrysomelas to CPRJ.

He moved his animals because
apparently he had been away and a
number of chrysomelas had
died of ~~the~~ bad management.

Got all IDs of the chrysomelas,
cross checked with records.
Asked Lorenzo his opinion; and
divided the animals between
LA and NZP.

Several pairs had copulated: Lorenzo
thought one was pregnant.
Most had missing fingers + toes.
Three had major parts of their
tails gone. The damage was
actually astounding!

Combra was also sending 2

FRI

21 Feb 86

captivity-born pairs out; one brother/sister pair (→ D.C.); one young mated pair (→ L.A.). He has @ 30 chrysomelas

Lorenzo speaks of the species differences: rosalia more nervous + aggressive; chrysopygus more shy and passive.

chrysomelas hyperactive

We drive to Rio Bonito to try to phone info to Judith (2 PM DC time FRI). All phones down in town + no one knows if they'll be resurrected.

\$100 shopping stint at Supermercado including huge 5 lb. bags of sweet cookies; crackers; etc.

\$10.00 shopping at vegetable store.

Judith Bloch

Tried phoning from O Gaucho Restaurant between Rio Bonito + Silva Jardim. No phone!

Tried phoning from Silva Jardim. No phone in working order!

Churrosco at O Gaucho + home to collapse. Jim may be getting "The Revenge."

0847 Writing notes on
front porch
AND

Hear GLT L.C. across
railroad tracks

0900-0908 ♀ GLT at house
3 L.C.

0915 ♀ GLT at house L.C.

22 FEB 86

SATUR.

Went running for 1st time to
tunes of Jim Croce - @ 20'.
Had been doing ^{back} exercises, but
this is 1st effort at jogging.

Elpidio Abadio ^{went} out to open traps
at 0600.

Jim & I go to Casimiro.
He has 2 broken fans, a weird
car problem, & needs to buy
some odds & ends.

I need to call Judith.

First phone (at bus station)
is out of order. Jim drives me
to a sawmill to use their phone &
I finally get thru to Judith, with
machinery and caged songbirds
in the background.

Wake Judith up at 0800 on Sat AM
(which she said she expected). Explained
that we hoped to have Jim & Lou Ann
carry the chrysomelas back to
Miami w/ 1/2 continuing on to
LA.

CHRY/SOMELAS

Information relevant to
Chrysomelas shipment.

- ① what kinds of health certificates?
- ② Need to send export permit, & then, telex permit No. to Judith?
- ③ Will PA accept GBL number?
- ④ Does CPRJ need additional transport cages?
- ⑤ Go through distribution of animals with Dionizio.

CAPTIVE POPⁿ

Dionizio suggests that if
GHLT M.C. formally requests
to IBDF through a resolution
that all chrysomelas be
treated the same way as a captive
popⁿ; Dionizio thinks that IBDF
would accept it.

em case
Rua Nogueira Martins 103 Apto 114
Sorocaba 18100
Brazil

22 FEB 86

SAT.

provided her w/ all details we had.
Made appt. for another call.
And got as much ^{into} as she could think
of concerning what we had to do.

Intend to split shipment.

But to have NZP import all
under our permit.

CPRJ animals are gift.
IBDF " " loans.

Dionizio needs to ① get us export
permit to send — soon.

② make reservations for flights.

Also had Judith initiate with Horner
acquisition of all documents
related to our relations with
State Dept. and Rio Consulate.

New visitor arrives for
weekend. Education specialist for
Zoo in Sorocaba, São Paulo.

Has just returned from Jersey course,
Maria Cornelia (Nelly) Mergulhão, Parque
Zoológico Municipal; "Quinzinho de Barros"; Rua
Teodoro Kaizel s/n; Sorocaba S.P. CEP 18100
Telephone (0152) 322354

22 Feb 86

Sat.

Back to house @ 2 PM: Eat lunch
sleep, read, write notes, talk

Nelly from Sonocaba has been
asked to give a talk at AAZPA
meeting in Minneapolis in Sept.
Is ~~she~~ biologist responsible for
education program at Zoo.

Article just published in
"Revista Globo Rural" Ano I
No. 4 1984

About Marco + Rita Schwartz in Mercês,
Curitiba, in Parana, initiating
a program to breed primates for
sale. Article includes photos of

S. bicolor

Brachyteles 2 juv.

GLT

GHLT

Chiropotes

S. oedipus

Caecajao rubicundus

and a blond ~~Aotus~~ *Aotus* -

and a sagüi
branco from
NE Brasil
(*C. argentata*?)

and suggests that IBDF gave them confiscated
animals but didn't approve them
until recently. (Aug 83) Also suggests that
they breed + concentrate on endangered

President of Brazil Zool.
Society

Claudio ~~Jacomini~~ Jacomini
Director
Zoo in Rio Grande do Sul

22 Feb 86

species when in fact they probably
mainly breed Callicebus jacchus.

Schwartz ran a restaurant +
now is trying to make a business
about a hobby. Arrived in
Brazil about 1967 from
Zurich.

Jim + I talk about problems
in Morro do Diabo.

- ① CESP to flood a good
piece of Reserve forest ~~to~~
after building 2 hydroelectric
dams. Want to cut forest
before flooding. Anticipated
1987.
- ② CESP provides about \$1 million to
solve conservation problems.
Celso Vale volunteers.
- ③ Various people, including Jim, +
hordes of botanists, zoologists, etc.
wander through giving advice.
No action plan developed.
- ④ Laurenz Pander goes in during a
course by Ken Glander on
immobilizing howler monkeys.

22 Feb 86
Sat.

⑤ Laurenz traps one family group of L. chrysopygus which are rapidly sent to CPRJ. Laurenz angry, thought that he was there to assist in transplantation effort for chrysopygus.

⑥ Cory Carvalho of IEF-SP
Instituto Estadual do Florestal -
São Paulo

refuses to permit further trapping of
chrysopygus.

IBDF and state ^{forestry} blocking horns.

⑦ Deforestation estimated to be
just about to begin.

⑧ What happened to CESP's \$?

Who was in charge?

What were they supposed to
accomplish?

Was there an action plan?

Elpidio Otavio + Jaires bring in
13 animals from 2 groups
for processing.

We process between about
1900-2400.

Basic conclusions:

	A	SA	Juv.
Banana	0.2	0.2	0.2
Ouro group			
(one 0.1 lactating)			
Additional adult outside traps not caught.			

	1.1	1.3	1.0
Eucalyptus group			
(0.1 non reprod.)			

Additional adult outside traps
not caught.

22 Feb 86
Sat.

Some thoughts that have emerged
from trapping + processing +
before: Assumptions

(a) How do you determine an adult animal
weight; teeth; scent glands.

Recommended 7550g

If under ^{550g} check tooth wear.

Heavy wear overrides weight.
If can't determine yet; check
glands.

Is a <500g; no tooth wear;
well-developed glands animal an
adult?

(b) What about reproductive Adult?

1) Impossible to determine if an
adult male is reproductively-
active from processing.
Must be seen to copulate!

2) ♀ may be called reproductive
if gravid; lact.; or with
large nipples.

>4 nipple size suggests previous
reproduction.

Doesn't necessarily suggest
current reproduction.

- (C) ~~Trapping sites~~
What are limits of weight
Rbk recommends
450 - 550 grams

And juvenile 350 - 450 g

And Inf. < 350 g.

check woolly pelage with
weight.

Are there animals under 550 g.
with developed sternal/
circumgenital glands?
What does their tooth wear look like?

- (D) What constitutes a member
of a group?

1) How are group counts + sex + age
composition determined?

(a) Trapping

animals trapped together
may include neighbors
if trapped animals
=

22 Feb 86

act as decoys

(eg I from Carlos group
with Banana Ours group)

Could there be seasonal differences
in

- (a) Attraction + repulsion of
neighbors
- (b) Home range overlap
- (c) degree of trappability of individuals
- (d) subgroup development
- (e) immigration + emigration

How do you differentiate real
changes in group composition
from trapping ~~site~~ data:
with ~~changes~~ apparent changes
due to ~~new~~ group members from 2 or more
groups being trapped at same site?

Site selection: ① w/in known
home range VS

② at ~~area~~ border of several
home ranges

- (b) Visual confirmation + following of
marked animals over several
days/weeks. Use of same
night time roosting site.

22 Feb 86

A Requirements for appropriate determination of mating system with sufficient reliability:

What % of stock is permitted? How to determine the mode thru relative abundances?

① Individual identifications in field

② Sex and age of individuals determined.

③ Reproductive behavior documented in field

a) ♂: Copulatory behavior with ♀ that produces offspring. Includes mount; thrust; known intromission [ejac. may be difficult to determine].

[Paternity studies would be nice]

b) ♀: Pregnancy confirmed.

Delivery date known within several days.

Lactational status observed.

Copulatory partners documented.

B Requirements for strict territorial behavior interpretation:

① Home range sizes of known groups clearly identified

② Small % of overlap permitted at all seasons. Simultaneous visual confirmations of locations required to ensure that groups move separately.

[At PdA; would daily attempt to locate a group thru triangulation by worth it? Has Dietz compared perceived location with real location? All locations should be collected between 4-6 PM when animals in nest boxes.]

C How to determine degree of solidity; rigidity of group size/composition/social organization? [e.g. Does subgrouping exist seasonally; do animals move between groups?]

1. Consecutive simultaneous observations of closely neighboring groups.

2. Trapping runs problem of trap site location relative to home range boundaries.

(D) Should relatives behave differently
from non-relatives?

23 Feb 86

23 Feb 86

Domingo

Slept; wrote up my notes;
read Portuguese; talked
with Jim;

We ended up processing one monkey.
Traps not working!

24 Feb 86

24 Feb 86

Monday

Ran in AM — It's getting easier but is definitely still not pleasant.

Read some of Carlos Perez; + sat down w/ Jim to talk Perry. He has finally been reading some callitrichid mating system work + is getting excited about his data.

Also beginning to understand some of the issues.

Elpidio + Octavio brought in 19 animals (1) which we processed between 1700 + 2200 hrs. Had a quick dinner before working over the animals.

Jim has processing procedures down to about 15 min/animal including weights, measurements, check reprod. condit., check glandular development; dye them w/ Nyanzol + tattoo them.

Zeke + Inez return in
the middle of the
processing + both help.
We end up with an army
of helpers climbing over
each other.

It's clear from processing
that in some cases there
are more than 2 letters
per group or more than
2 females becoming
pregnant. How this
relates to mating system +
social orgⁿ. isn't clear.

Some of the animals coming
in are recaptures for
the 7th time and have

24 Feb 86
been tattooed for ~~many~~
~~over~~ nearly 2 years!

It is very frustrating
with trapping, however, because
the animals you trap may
or may not be the whole
group and, the trapped
animals may or may not be
from the same group, altho
in the same location.

Lawrenz has trapped 2
sloths which are "hanging" around
on the floor while our
army processes animals.
Periodically Octavio touches
one + it comes out w/ a
most pathetic "mew" sound.
The sloths eventually sleep next door.

Amusing vignettes include
Octavio always being one step
ahead of me on animal IDs
+ patiently listening to me
explain the Nyanzol marks.

Insects everywhere in
the lab with Inez + Jim
periodically screaming +
pounding / stamping on
their legs.

The whole operation, is,
however, very smooth.

I slept really poorly with
2 mosquitoes buzzing around
all night + all my bites
itching horribly.

25 Feb 86

Tuesday

Early morning run to
tunes of ST Popular songs.
(Judy Garland)

Jim + I drive to Pesagro. The
idea is to evaluate Butterscotch's
condition with Joke + Inez +
make a decision about whether
and how she will be removed +
the logic of argument development.

The observers from S.T. have been
feeding the group daily since
last week; instead of on ~~only~~
alternate days because Butterscotch
has appeared so hungry.

But whole group now responds
to the observers as feeders +
whenever a pack is opened,
they go for it.

While we are there watching
New Orleans group (NO), Jim

(1045 hrs - make contact with NO group)

25 Feb 86

and I are both struck by how low to the ground these animals are moving. And how slowly.

Jimi calls them demoralized looking & they certainly seem less sure about what they are doing and where they are going.

They are active in fairly scrubby territory high on the hill; Haven't gotten down to the swamp area lately.

Observers have been struck by the fact that, their movements are slower & the two groups have not been interacting at all, even when very close.

(They were close to each other while we were there & at one point, Venus L.C. to find her group and certainly Wicketa could hear; but did not respond)

Jim, Inez, Zigue + I sit in the middle of the largest flock of mosquitos ever seen, while developing a train of logical thought together.

- (1) we agreed that feeding the group more rather than less was not useful for the group's future.
- (2) we agreed that jeopardizing the future of the whole group for one older ♀ was not good, and that the NO group needs to continue to be challenged.
- (3) We more or less agreed to cut back food + remove butterscotch if her condition deteriorates.
- (4) We also agreed that before returning her, we would

18,000

25 Feb 86

evaluate the group's condition. If group movements, locomotion, substrate use, etc. had improved, we wouldn't return Butterscotch, but send her to C.P.R.J. etc..

Meanwhile Butterscotch looked reasonably good.

Car trouble plagues us. Lawrence, because he didn't know what the budget was, hadn't been keeping the cars up —

All the cars are occupying about $\frac{1}{3}$ Jim's time.

On going to Pasajiro we have to stop to have some repairs done and arrange to leave the car to fix some.

On way out @ noon, it is hot, humid, I am exhausted, + hungry + bad tempered and we have to wait for

25 Feb 86

the car to be finished. Then
Jim has to buy ^{plastic} hoses for
car; bread;
We call Berant + The US
Consulate re: appts.

Need to find Idimar to
bring her back to Reserve
(our cook / laundress who
went into town night before)
She doesn't show up when +
where planned.

(Inez had been making
arrangements).

By the time, it's all done, I
am really bad-tempered,
+ we finally get back to
Reserve about 2 or 3 PM.

NOTE: Inez was accepted
into Jersey W.P.T. Training
course and needs Tetanus
shots; chest X-rays +
Health Certificate. We

25 Feb 86

walk together down to the Health Clinic which is a Bldg @ 4 rooms w/ nurses giving shots ~~+~~, I think, one doctor.

Inez - I just walk right in + ignore the queue.

People apparently line up early in morning + take a number to be called.

Mothers with sick kids, crying kids, kids getting vaccinated.

Inez somehow gets right in to talk to the doctor who ~~says~~ writes her a Health Cert. on the spot.

But they don't have any X-ray equipment and cannot give her the tetanus.

Inez plans to make a

flying trip to Sao Paulo and back to try to visit CPRJ with me, now that she is thinking of doing her Master's on a comparative study of Leontopithecus.

I slept an hour, but then was off to lecture to a Conservation Club at Casimiro de Abreu - with Beth + Lon-Ann.

This is a group of teens + pre-teens interested in biology + conservation that are meeting twice a month.

Mostly young boys altho the group also has 2 girls.

I lecture about the ^{GLT} captive breeding + research program + training for reintroductions in Portuguese.

which surprises not only me, but everyone else!

Questions are of the type:

- ① Why do bats hang upside down?
- ② How long do hippos live?

But some of the kids are incredibly bright looking.

Stop to buy beer on way back.

Drunk some beer when we return but no animals to process!

26 Feb 86

26 Feb 86 Wednesday

Start the morning discussing budgets + numbers of observers needed with Jim + Lon Ann. Jim a little tipped because Sue changed position + now want to support a full helper for Andy; whereas before I had apparently indicated only limited help.

we figure out that we can give the observers a raise + hold onto @ a total of 5 people while still keeping within budget.

Stock is less than previously, but still available.

Deonizio arrives + Jim + I go thru the needs of the chrysomelas shipment.

Triage center

Jefferson Figueira de Mello
Av. Presidente Antonio Carlos,
607 / 12^a

IBDF - Centro de Triagem
de Animais Silvestres
Rio De Janeiro

(telefone -
294 - 8048)

Milci dos Santos
Rua Major Rubens Vaz, 122
Gávea CEP 22470

IBDF Parque Nacional da
Tijuca
R.J.

267686

Stonizio will

- ① check on whether papers
can get signed + sent
- ② see about flight
reservations
- ③ Etc.

By lunchtime, there are also two
men from The Triage Center
in Tijuca Park, Rio.

They want to talk about how to
get support for the Ctr.

Altho they do numerous necropsies,
they don't have a fridge —
nor a decent necropsy
room.

They feel that some notice by +
support from the U.S.
will help their cause.

We discuss benefits of
constructing at 2 sites vs one;
using The Triage Center for
education; how opening

About 3 PM I discover
 $\frac{1}{3}$ ~~APs~~ sloths
climbing up to my
bed in my
bunkbed arrangement

James & Octavio generously
remove it!

26 Feb 86

to the public for conserv. educ.
would make it more difficult
for IBDF to bury their
budget.

They aren't yet a separate
clear-cut line item — as they
should be in the budget.

They get lots of bad press
and have even been hit by the
equivalent of the Humane Society

But they have minimal money
for support + work in really
poor conditions.

Laureny goes to pick up
man from São Paulo who does
large typing on edentates.

Takes one Kombi but comes back
in out of breath since car
breaks down by railway station
and his contact is due in by
bus.

He borrows Dionizio's car

meanwhile I sleep a
bit more; study Portuguese;

In late PM before dinner,
we process only 3 GLTs.

They are not coming in in
the numbers Jim expected.

São Paulo karyotypes

Wilhem Jorge
had worked with Benirschke
for 2 years in mid-1970s
and published some on
edentate karyotypes.

later turns out that he had
contributed to Gene Montgomery's
book which is still unpublished
after 7-8 years or so.

In evening we drink beer
discuss Lauren's future &
who would make good advisor
and talk @ Gene
Montgomery.

27 Feb 86
Thurs

27 Feb 86

Ran in early A.M.

Then drove to Pesagrow
Ziguel to spend the day with
Wichita + New Orleans groups.

Hit the forest @ 0930 hours +
made contact with NO group
about 0935 -

They had been fed the
previous day. Also Venus
had attacked Andrea the
previous day to try to obtain
food.

0950 hours. Butter scotch
caught + ate a good-
sized grasshopper.

But she (+ the rest of
the group) were doing much

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of them foraging on the ground or close to it.

Initially it seems as tho only *Promethes* + *Butler* on the ground. But after a while, it's clear that that's the whole group moving low.

1008 hrs. Venus at one point drops from about 15 m +
Thereafter seems to stay low.

Lancelet often separate from group or at least aloof.

They are foraging in leaf litter + dried dead branches + trunks on or near the ground.

Perhaps no fruit available.
and no trees w/ height
~~with~~ with either plant or animal food.

1020 4/5 of the animals on or near ground.

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When Elzein ($\sim 10^{47}$) opens pack to pull out H₂O canteen, I heard an immediate food chirp + ~~the animals~~, ~~I think Venus approached~~ all animals stopped + attended. No one, however approached Elzein closely.

11¹⁷ We continued following group. They ascend hill + we are in spiny palms; dry, low stature forest.

Both Elzein + Elizama indicate that the group is moving further + faster than in recent days.

They are micro manipulating in dead wood,

but their locomotion is poor + jumpy + erratic.

Also they are surprisingly

quiet. Only soft chirps whereas they would have been long-calling + having encounters in the past.

Explanations (?)

- ① Habitat they are using
- ② Buttercote's condition w/ resulting instability in stable group
- ③ Being fed.
- ④ Being pushed out of decent territory into marginal habitat by Wichita group.

Also not clear why they are suddenly moving so far today compared with previous day.

About 11²⁰ hours Venus finds a

Toad which she tries to eat. Frothing at mouth.

Head shaking. She continues to carry the toad from place to place, but doesn't kill it or eat any part of it.

Eventually she drops it & moves on, after carrying it for @ 3m.

The toad is clearly unharmed. (Photos taken)

Are toads more common on the ground than frogs in a tropical rain forest?

∴ GLT desire to eat frogs & whatever built in responses they have, are confused by ~~responses~~ their foraging on ground & confusing frogs and toads.

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About 1147 Lancelot is high up a tree & apparently Promethus approaches. For about 3-4 min.

There is a periodic loud rasp/squeal from an animal high up which sounds like an animal in pain. The two observers indicate that it

isn't uncommon for one animal to approach another ^{who has} food & really scream / rasp loudly, to try to get food away.

I'm surprised by the loudness of the sound and its defensive / fear components

Elzein thinks that Lancelot caught a frog.

At 1204 Promethus is eating a full frog at a relatively low height (~ 3m).

As he finishes eating animal (starts head first)

he chirps a few times + some other group members attend.

It was almost like a food share chirp. (@ 1208 hrs)

Then Lancelot approaches, but Prom. eats the last leg!

At 12⁴⁰ hrs Elizama took me over to watch the Wichita group.

As I arrived (observers Marcelo + Andrea) they had just entered a fruit tree.

Clumped small purple fruits (~ 1/4 inch diameter)

(I think they are green when not ripe)

The crown is @ 15m high

27 Feb 86

and from 12⁵⁰ — 13¹⁵ the group feeds in this large fruit tree.

Feeding chirps accompany the bout + animals are surprisingly comfortable moving in + out of the heights and hanging on very thin, flexible twigs to get at the fruit.

This group is certainly moving higher + with more self assurance than the N.O. group. They are also more comfortable looking

13¹⁵ They one by one leave the tree. ~~They are by the tree~~ ~~by the tree~~ I had poor IDs.

They then spread eagle on some 75 branches

and have prolonged period
of rest — but not
huddled + with limited
grooming interactions.

Clearly being satisfied w/
food + hot leads to
a spread resting bout.

Of course, probably no
more than 5 m between
the furthest members of
the group.

Heights vary from 3-4 m.
Jackie + Pepe periodically lay
together in a line, but
not huddled.

Animals look as though
sternal marking while resting
altho. not.

We are @ 1-2 m from
individuals but they seem
totally unconcerned.

27 Feb 86

1405 After rest, they
return to fruit tree
and feed between
1405 - 1428

1428 Juan, Maria, Jackie, +
Pepe leave the crown,
in that order +
return down to lower
heights for more resting.

During next rest period
Juan seen w/ Maria
several times. Maria's
radio antenna is chewed
but the radio seems OK +
functioning.

1439 - Whole group has another
resting bout for @ 5 min.

Resting overhanging boughs or
> 5 branches separated.

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Jackie looks very pregnant
to me & the observers indicate
that they think that Maria
is also pregnant.

1444 Jackie defecated.
Feces firm, oblong &
very dark. Look excellent.

Juan to ground while Pepe
starts foraging & begins
eating bromeliad leaves.

1506 Juan eating something
that is insect or
perhaps crustacean-like
animal.

Light colored - with
three pairs legs close together.
Could there be land crabs
that look like that. Some
photos taken.

We leave Poço das Antas
15³⁰ hours & return to Poco das Antas

After a shower, Jim, I, Elpidio, Octavio and I process 4 animals. One, a very old unmarked ♀, never before trapped.

Her forearm is broken at the humerus, near the shoulder & it looks like a new break.

Later Jim speaks w/ Elpidio ~~who~~ who indicates that he doesn't think so because she emerged from trap and climbed a tree straight away as tho not at all inconvenienced.

Meanwhile Jim & I are guilty after processing because it looks like a break caused by the trapping procedure.

After dinner Jim and I get into argument @

27 Feb 86

his training of Pandora & Aphrodite after they were removed from the single tree they occupied in Beagro.

Jim casually "trained" them in the little cage beyond field headquarters & found that they were incredibly good when released.

I get up tight because I detect criticism of Ben's techniques & how efficient they were.

And Jim's saying "maybe we didn't need to spend all that time & money" & I say but we're doing research & there are too many variables & you don't even know what you did!

And so it went until bed!

28 Feb 86 FRID.

Spent most of day writing up
notes,

discussing admin. w/ Jim +
Lou Ann (2-3 hrs)

and discussing biology w/
Jim.

Elpidio + Otavio didn't
get any monkeys.

Issue is age/sex distribution
of calitrichids.

Are they possibly like canids
where the sex ratio changes
from male-biased in
stable saturated populations
to female biased or 1:1
in growing expanding
popns.

Carlos Peco mentions
L. mystax sex ratios being
different in Ranvier study

where she was studying
recovering populations after
a cropping effort vs.
Barber working with a
stable saturated pop'n.
Check it!

L. rosalia sex ratios are about
1:1 in the Reserve, but
population may be expanding.
We don't know.

Jim + I go to Casimiro to ^{try to} talk
with Judith in DC about the
chrysomelas shipment. All is go on her
end. Also speak with Ben briefly.

(NOTE: Brazil devalued the "cruzeiro" this
morning for 1st time in 20 years ± changed
the name of its currency to "cruzado"
official exchange rate on arrival was
13,000 cr/\$ (unofficial 17,500). With
the change official rate now 13.8 cr/\$
(unofficial ~ 20 cr/\$).
Wages + prices were frozen. Banks
closed today. Some rioting. Lots of
worry.

Sat.
1 March 86

1 March 86

Logged in AM - Felt awful
as usual.

Continued to read Carlos' paper
on group structure in
L. rosalia + callitrichids

Useful for thinking.

Finished document for SI
Research Policy Comm.

Started + completed updated
list of telephone numbers
+ addresses for Brazil.

Went out with Jim Elpidio Otavio +
to check the traps at Portuense
and along the new road to
Aristedes house. Jim + I

1 Mar 86

Talked about how to maintain the road - Deonzo has not really been thinking about long-term management.

Several thoughts emerged.

- ① Open up several old roads with a bulldozer and maintain them as roads + for firebreaks
- ② Extend Aristides road until the edge of the Reserve where the new Headquarters is being built.
- ③ Maintaining firebreaks

Walked down the length of the Portuense trail with Otavio.

Nice trail - easy walk - The forest feels good.

We get no monkeys

again but leave the traps open for another 2-3 hrs.

We return about 2:30 + it begins absolutely pouring with rain. Had had a regular PM downpour, except for the past few days.

Otávio + Elpidio go out again. There were @ 4 animals trapped but they were ^{re}captures. So they were released.

Otávio said that he took off all his clothes + checked traps wearing only a rain poncho.

Trapping: Elpidio + Otávio have tended to leave house @ 0600 hours to set traps. usually setting about 8-10 traps per site and about 5-6 sites. They check traps about noon + again at 3 PM. When they have

2 Mar 86

Trapped many tamarins by noon, they'll bring them in for processing.

Thus, there ~~was~~ was one day when Jim processed two batches of animals.

Trapping data is very complicated!

After return, I wrote basis for a press release when (and if) the ~~chrysomelids~~ ~~chrysomelids~~ chrysomelids leave which London, Beth + Inez later turn into Portuguese. I also write letter to Dionizio to go with the budget summary we gave him. Inez returns back from São Paulo.

N.O. group is worse according to Inez + Joke with Butterscotch + all other on ground + Butterscotch + Venus begging for food. Venus rasping.

The ^{N.O.} group is getting worse.
Scotch approaches one of the
observers for food — He
pushes her away + she ends up
on her back threatening.

Andrea stays over to make cake
for churrosco next day.

2 Mar 86
Sund.

Churrosco planned for today
for the whole GLT crew.

Don Ann expecting 30 people!

I spend my morning cutting up
tomatoes, green peppers and
my fingers!

Kids start arriving about 12:30.
~~that~~

Two business meetings:

① All the reintroduction
observers!

Jim explains ^(a) how he plans to
give them raises

② Mal Zigue will be their
administrative boss + Andy
their biological boss

when Inez goes.

③ Gives them some field clothes

④ Talks about doing more
early evening + early AM
obsers.

⑤ details Zigue's duties

⑥ vacation time
(1 week / 6 mos)

② General meeting with everyone
where Jim thanks them +
I thank them.

For churrasco

12 kg chicken

? kg. sausage

? kg. beef

Don Ann says they usually
plan on about 1 kg of
meat / person.

Food includes ^{chopped} tomato/onion/green pepper
rice, beans, baked potatoes
bread; chicken, beef, sausage
tubui.
and cold Antarctica beer!

Volley ball after lunch.

The "mata" kids are really
good. Clearly Brazilians
are trained well in volleyball,
very controlled players.

The mata kids:

Andrea - from very poor family
apparently, with problems - Only
woman in mata except for Ines.
States taking vacations. Makes a
good cake. Very responsible.

Elzeu - wanted to be
biologist but failed his exams
to enter university. I've
lectured him several times about
studying. He's one of the brightest +
most charming of the kids. Also
from a family that can pay. His
charm reminds me of Karl.

Elyzaria - Zigue's brother.
Nice, but not so bright.

Marcelo + Luis I don't know
well since they're relatively new.
Luis seems bright.

Paulo just passed exams to
become an IBDF guard + will
eventually leave project when
a job opening occurs.

By now Jim has talked with almost everyone. New decisions about administration.

Recommend a Mond. ~~morning~~^{evening} meeting among all major personnel (Laureny, Zigue, Beth, Andy + Greg) to discuss what will be occurring during week + to air problems that individuals might have.

Laureny too authoritarian & up-tight. Greg too sensitive. Unclear distribution of responsibilities and authority.

3 March '86

3 March 1986 Monday

Up at 4:30 AM to leave house
by 5:00 to catch 8:00 AM flight
Rio → Brasília. We are supposed
to meet Dionisio somewhere on a street corner
on the way & take him to airport.

As we're driving the carburetor starts
giving out and Jim is constantly
trying to accelerate at a rate
that will keep the car moving.

At one point it looks like he's
cleaned it out (whatever
is plugging it) & the Kombi
seems to run fine. His hands
are clenched! The car starts
giving out again and just
gets worse & worse.

About 7 AM we pull over at
one of the police little stations &
Jim talks about how & whether
we could get a bus to Rio
to get to the Airport.

It's pretty clear that we
won't make the plane.

We're about 26 km
from Rio.

Jim figures on leaving the car,
having Zigue + Onéz come with us
to the airport, + then having
them take a bus back to a
town near where we left
the car in order to find a
mechanic to fix ~~the car~~ on the road.

Miraculously, within 2
minutes of our stopping +
piling out of the car, a taxi
passes + we flag it down +
pile in with luggage (a bit
crowded!)

The taxi runs us thru the
Mond. morning rush hour in
Rio and gets us to the
airport at 0745. Plane due
to leave at 0800. We still
don't know if we'll make
it.

Get our luggage checked
+ boarding passes but no

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sign of Dionizio! To Gate and on
bus to get plane.

Still no sign of Dionizio!
The second the bus is about to head
for the plane @ 0802,
Dionizio shows up. He'd waited +
finally got a taxi at 0726 +
just got in the gate.

A cliffhanger — but isn't
it always like that in Brazil.

Plane packed and we have
an IBDF car waiting for us
in Brasilia.

Straight to the IBDF offices
where we meet

Lourdes; Raquel; Marlezi;
Ivo;

and start out in the office of
The new Director of the DN.

Joésio sits us at a round ^{conference} table
in his office + we start --

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IBDF

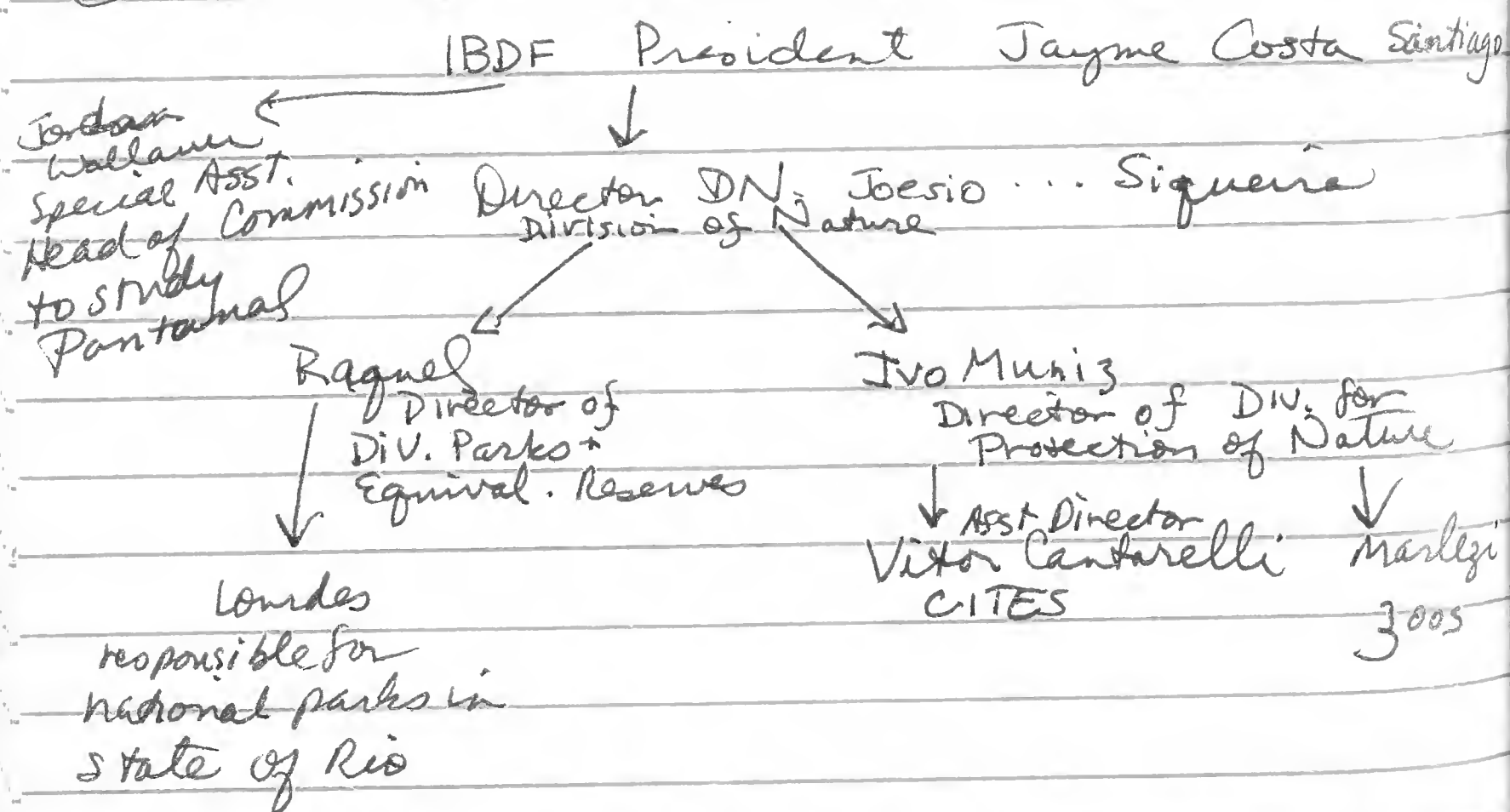
Talking right away @ the chrysomelas

Joesio has entire chrysomelas file in front of him including Coimbra / Pissinatti's ^{original} report on the condition of the animals.

Impossible to summarize progression of the discussion since there were contradictory responses to some questions.

Jordan Wallauer came in during the meeting + clearly there was disagreement between him + Raquel.

① Current Structure:



Prior to our arrival, Dionizio had spoken with Raquel on the phone + she had told Dionizio that she wouldn't touch the chrysomelas issue because it wasn't known who was responsible for what in the DN with the new Director.

Once we sorted everything out, it seemed reasonably clear where the responsibilities should remain, and responsibility for different issues was delegated by Joesio.

② GLT Internal - Comm.

Asked who should be the IBDF representative to the Int. Comm.

Discussed representation by Jordan + Maria Teresa. The former originally being for the institution + the latter for both her experience, status, & knowledge + institutional affiliation.

Joesio made it clear that he would have a representative delegated to the Int. M.C. GLT,

but that any representative would represent the office. Therefore any correspondence related to the IBDF/DN should be sent to:

Departamento de
Diretor de Parques Nacionais e
Reservas Equivalentes
attn: Projecto Mico-leão-dourado

Other mail sent to a person should have their name on it and ~~to~~ have added: PESSOAL (personal)

Eventually after 2 days of discussion with individuals + some thinking, I decided to leave Maria Teresa on + recommend that Jordan also be left on but that an additional institutional member for IBDF be added.

[Joëzio wanted to know how the Comm. was formed. I said by Mallinson me, Mittermeier]. [Actually, I ^{probably} gave him the impression that we were self-appointed although on remembering, there

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was input from IUCN, WWF, + some other organizations as well as people.

By afternoon of 4th March, it was decided that the Internat. Mgmt Comm. would be responsible for the management of GHLTs in captivity while IBDF would retain ownership of all animals + their offspring.

Late on the PM of the 4th we prepared an M.O.U. signed by JMD, Joëzio, me, Joëzio, Ivo + Cantarelli on the function of IBDF + the Int. Comm. in the management of GHLTs in captivity.

Major points were that:

- ① IBDF retained ownership.
- ② Participants in Int. Breeding Prog. cannot sell animals.
- ③ M.C. evaluates qualifications of applicants;
 - (a) is given authority to manage the captive pop'n
 - (b) develops standards + protocols
 - (c) makes recommendations on transfers, ~~tests~~ pairings etc.

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- ④ Particip. must abide by M.C. decisions
- ⑤ Particip. must send inventories to MC for snubbooks
- ⑥ Particip. must contribute to reintroduction program should IBDF initiate one at an appropriate place + time.
- ⑦ Scientific publications ^{based on animals} should be sent to MC for distribution to participating institutions.

Diomzio, Jim, Ivo and I drafted the M.O.U. ~~by~~ⁱⁿ pencil + had it typed by G.P.M. and signed by 4 of us.

Given that we knew nothing about what would meet in Brasilia, it was astonishing that we reached the agreement.

It permit the M.C. to make decisions on Japan, La Palmyre in France * and then ask IBDF to recall animals. [Joësis indicates that IBDF could negotiate directly ~~for~~ for the remaining animals] Earlier when discussing the Japanese + French animals, it was my impression that IBDF had decided that since

* Mallinson supposed to request that ① IBDF treat entire captive population the same way and ② requests that IBDF initiate efforts to get Japanese + French animals returned — BUT IBDF may have already agreed to leave the animals

these institutions had agreed to abide by an international agreement, that they ~~therefore~~ could keep the animals.

This, it turned out, was partly because they couldn't figure out what to do with the animals, if sent back to ~~Japan~~ Brazil from Japan. I explained in depth to Cantarelli, the CITES rep., that setting such precedents was bad!!.

Also even recommended that they ask São Paulo zoo to send some of their animals out to open up cages to receive ~~Japanese~~ ^{Japanese} animals. But I think that they lose total control over the animals once they deposit them with a zoo. (also all descendants belong to the holding zoo).

Also, when I first dictated the major points concerning the Int. M.C. for GHLT's ~~to~~ relation w/ IBDF ~~to~~ (The M.O.U. we finally drafted) + Joësis said OK, I asked whether Brazilian zoos shouldn't have to meet the minimum standards + be evaluated by the M.C. as well.

We agreed, but clearly no one

based on Jordan's comments about the Japanese agreeing to sign the agreement... it's OK for them to keep GHLT

thought they could enforce it. Although I think they agreed that making the Brazilians participate was one way to force a raising of standards.

③ Belgian GHLTs:

Joesio indicated that IBDF via the President had asked ITAMARATY, the State Dept., to permit Brazil to export the Belgian GHLTs.

The Export Permit depended on Itamaraty's agreeing to the export. The letter signed by the IBDF Pres. had been sent out 26 Feb. but no reply had been received. Since we had an afternoon apt. w/ the Pres., Joesio determined to ~~hold that~~ present the problem.

We met Cantarelli, the CITES Management Authority (Stanford shirt, 2 days in a row) who said that they had already heard from the U.S. CITES Mgmt Authority.

[Later Pres. said to proceed w/ all due haste in trying to get

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the Itamaraty OK + delegated respons. to Joesio.]

On 4th March while in Joesio's office he calls Itamaraty + talks to administrator about the person to whom the letter was addressed. [Says that — according to Jim — he's got these Americans on his back; want to take the animals back when they leave (to accompany them); can he search down the letter; everyone thinks it's a good idea to have the ~~Inter.~~ Intern. Captive Popn. initiated] ~~etc.~~

Sounded like IBDF Brasilia again decided to resolve an issue + assist us, and they were acting quickly + efficiently.

We eventually got a Xerox of the letter Souza sent to the Itamaraty —

During joint meeting on 3 March

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in retrospect, Jordan + Raquel were disagreeing & we were unable to reach an agreement with both present.

Before Jordan's arrival, Joëcio asked all staff whether the animals should be exported for an Int. ~~Int.~~ " breeding program, they all said yes.

Joëcio kept emphasizing the importance of developing process + procedures for dealing with such problems, which, I think, is why he approved by M.O.U. text. He early on said he wanted a document to institutionalize the way GHLTs were handled in the future.

[Jordan mentioned providing more resources to institutions w/ GHLT for housing + food. Subject of FCEMA's ~~to~~ refusing IBDF \$ came up. Jordan suggests having IBDF funnel money through FBCN to Coimbra instead of thru FCEMA]

④ Yoco das Antas.

One major issue was to try to get the IBDF President to push to increase the size of PdA. This issue, although of major importance didn't get handled until almost too late. But Jim + Dionizio went over the needs w/ Joëcio + Raquel first + eventually w/ the President.

There are ~~few~~ alternatives available for expropriating land, but some do exist.

Also - on way to Zoo next day, JMD talked to Dionizio about getting money to maintain firebreaks, maintain + extend to new headquaters. The road to

Anstede's house which nearly goes as far as the edge of the reserve where the headquaters ^{are}. (Need to by-pass or build bridge over swamp).

Dionizio mentioned to Lourdes, who agreed immediately.

(Dionizio ^{still} needs to be told what to do. He has good judgment

and makes or recommends sensible decisions BUT won't initiate anything new + hates to change policy — eg: guards not in Reserve lots and he hasn't developed techniques yet for dealing with it. For making guards do their jobs and ensuring continued protection of Reserve. [eg. he needs the equivalent of a Keeper daily report from each guard with a list of days activities + performance standards for jobs + a telephone at the New Headquarters to communicate with the guards.]

⑤ Jordan is now Special Asst. to Director in charge of newly formed Commission on "The Pantanal."

⑥ UNA — we talk to Ragnel @ Una Reserve. She suggests that they now plan to take a degraded part of the Reserve and move the squatters into it, instead of buying them out. She + Jordan disagree rather vehemently about

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mond.
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whether the money for the removal of the squatters is still available.

I'm very uncomfortable with discussions about Una's protection. Too many contradictions.

[later Jim said that Ragnel + Jordan disagreed totally on whether the new Delegado was or was not ~~supported~~ supportive of work in Una.]

Jim raised the question of future research in UNA + problem of too many chiefs. Ragnel said that they needed a plan. Also indicated that letter to Angela re: our visit to Una was not in the files. Neither Ragnel nor Josie had seen it.

Jim's concerns about potential conflict over UNA research not picked up by Ragnel who wants to take 1st steps 1st. Need Management Plan w/ recommendations.

3 March '86

IBDF
Hond.

⑦ NZP interests:

(a) we discuss IBDF's role as a record keeper & how IBDF needs to understand the basics of record keeping - Recommend to Josio that someone be delegated to come to the U.S. to NZP to gain more experience in animal management; development of protocols for breeding & maintenance - how to set mgmt. standards & keep them; ^{animal shipments} computerized inventories; ISB and AAEP organization & function.

On 4th March late PM, we are told that Josio would like to see IVO receive the type of training. Jim & I discuss a short-term visitor program for IVO; how to fund it; (SI, WPTI, etc.) and how long.

(b) Species: we briefly indicate NZP interest in expanding studies to other species.

Josio recommends that we write a formal letter indicating our interest in further collaboration & with some specific species named, eg. *Speotyto chrysocyon* & *Pteronura*

⑧ IBDF-owned GLTs. Late on Tues.

PM Jim & Dionizio draft letter ~~donating~~ ~~IBDF~~ management authority of GLTs deposited in US in 1981 and their descendants to zoos in which they are deposited. (I later realize that ownership of descendants by Brazilian law, is always in the hands of the receiving institution.

(That's why there are problems w/ GLTs ownership in Brazilian zoos).

IBDF only ever owns the original animals !!! We have agonized over this issue for 4 years & I think the solution was always staring us in the face!
Good grief !!!

⑨ Brazilian zoos - Discuss with Josio & IVO & Cantarelli need to set standards for zoo management.

They are fairly frustrated by their inability to enforce anything — eg stop selling or trading of endangered species.

They don't get inventories, once they deposit animals.

Ivo will go to the ^{new} Brazilian Zoo Society meeting. [We try to figure out ways to attend or be represented but never can]. [Scheduled for March 16-20 in São Paulo].

Ivo can also learn about function of AAZPA + perhaps assist in recommend to IUDZB, a few Brazilian reps. for membership.

We need to look into the functioning of the Zoo Society and how interactions occur among zoos.

- (10) We briefly refer to Rudy's course + the possibility for them to have biologists attend as Deonizio attended the FWS course.

Louder takes us to hotel to check in + we have a quick

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Mon

lunch. We return to office since we are scheduled to meet with The Pres. at 3 PM.

Before meeting with ^{Jorge} Santiago - Pres IBDF (meeting scheduled at 3 PM — had been organized by Ibsen) — we sat down with Ragnel + Joao to review what discussions we would have. It was clear that Joao was planning to be present + to run the show.

Juri brought up the problem of the reserve size + Joao made the list.

The meeting was late and short.

The Pres. apologized since he was ducking out of a meeting with equivalent of Congress people.

He was short, older, brief, and delegated mostly everything back to Joao. He took no notes + had no asst. or secy with him.

He agreed to look into the augmentation of the Reserve w/ The Minister and The Belgian GLTs would be organized thru State Dept (Itamaraty).

Jim made a brief speech
thanking him and when we left,
I wondered what we had
accomplished. It was a very formal
meeting, and I wondered what
the President knew or cared about.
(Later we heard that he was planning
to resign in about Oct. + the only
reason he was in was to get
IBDF functioning. Joesio +
he both appear to be administrators.

(They are both supposed to be
economists) - Interestingly
Joesio was firm in wanting to get organized
+ obtain results and he spent a
lot of time w/ us. (Even called
the State Dept. personally the next
day). He kept telling his people
to develop standardized procedures +
write them down. Other than that
he acted like a bit of an obnoxious
arrogant asshole.

② Finally Jeremy Mallinson needs

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to write the DN; Director saying
① That the Int Mgmt Comm. is happy to
assist IBDF in whatever manner to
take action to bring the Japanese,
Belgian + French animals under
IBDF ownership + MC. control and
② asking DN to appoint a rep./delegate
to the Intern. M.C. from the DN.

After the interview we return to the
DN office + discuss issues a bit more
with ~~Rafael~~ Cantarelli re: the
GHLT shipment. Jim tries to
explain about ownership + animal records

Dinner with Jordan Wellaver + wife
Martha and Patrick Dugan, young, +
a Scot just hired by WWT/WCN;
Glands to coordinate their wetlands
programs. Is involved in development
of plans for Pantanal which is
Jordan's new Commission.

Jordan pleased with having a job that
permits him to read, think + be
creative. We eat a superb meal
of "carne do sul"! Then back

to Jordan's home/^{apartment} for some wine
(J. a wine connoisseur)

Later Lou Ann explains that his two children are by his first wife, who died when their youngest was about a year old. He raised his sons for several years before meeting + marrying Marta. I think some of Jordan's sensitivity + conviction + security may relate back.)

4 March 86
Tues.

4 March 86

(A) MARIA TERESA

Started out the morning with a meeting with Maria Teresa. Jim + Lou Ann maintained most of the conversation in Portuguese + spoke of education, ~~the~~ conservation, zoo, wildlife management, Kelly's training course etc. Significant outcomes

(1) IBDF: N.T. was just about to testify before some judicial commission in the attorney general's office re: The corruption under the previous President IBDF.

a. She looked awful - unrecognizable - hair messy; not very attractive outfit; no make-up; no jewelry. Not at all the normally overdressed bejewelled N.T. Jim thought she was playing her image down to make her testimony more believable. A dowdy looking civil servant!

(b) She said things ^{were} so bad that she wasn't going back into govt. for 3 years after next elections. Implied that next elections would → govt change.

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Tues.

② CESP: Her current job is as administrator of CESP's Brasilia office. CESP produces 40% of Brazil's power (also own zoo — apparently near São Paulo). She is acting as a lobbyist for CESP and ^{several} other private power companies (4 other companies). CESP only energy company which is a member of IUCN.

③ She never received my invitation to join in on the book by co-authoring a chapter with RASH & Coimbra. I can go back & rethink the invite.

④ Her assistant Sandra Chanty has been with her since CESP/São Paulo days → IBDF + → CESP/Brasilia. Knows Nelly from Sorocaba.

⑤ She is willing to stay on the Intern. MC for GHLT. Says she has lots of time since her asst. does so much good work.

⑥ M.T. big luck is that she is about to incorporate & develop a Conservation Foundation. Provides us w/ a copy of initial document — draft of incorporation. Her Fdn. to lobby in Brasilia & raise big bucks to initiate & pursue research. She's thinking of buying land like Nature Conservancy — or having Nature Conservancy buy land thru her Fdn.

She's talking about big research projects in Pantanal; conservation education et al. Says that FBCN is old & distinguished organization w/ old & distinguished personnel. Thér is about to step down as Pres. & there is no one w/ charisma to continue work w/ any force. Thus M.T. will be competing directly w/ FBCN. But they have never raised funds. They tend to act as a conduit for funds other people raise.

She also talks about collaborative projects with all her supporters, eg Jordan & Marleszi. Going to support international Congress

on the Pantanal. Obviously his
persist. Jordan heads in
Commission on wetlands + the
Pantanal. M.T. will collaborate.

- (7) MT says that Paulo
Rogueria Neto will certainly
leave SEMA in the autumn when
all the ministries change over
heads. Apparently he finally
has a govt. he cannot work w/.
"He's been head of SEMA for 11
years + is tired."

Maria Teresa needed to get to the
Attorney General's office + gave
as a ride to the Zoo.

- (B) ZOO - Entered; Looked for Director;
Person who seemed to be
Director turned us over to
Veterinarian + Biologist.
We later find out that the
Director is recently appointed
but has been with the zoo for
28 years + started out as a sweeper.

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The biologist is young + speaks
fractional English.

Jim translates for me.

- (1) We offer education exchanges
- (2) Collaborative projects.
- (3) Training in animal mgmt +
vet. medicine.
- (4) whatever else
Lan Ann has batches of stuff she turns
over.

The Director sits in for a while +
then leaves. The biologist opens
up and is totally demoralized.

- (1) Zoo run by Zoo-botanical garden
under Ministry of Agric. of city.
- (2) They have no budget + no
access to money.
- (3) No leeway to do extra projects.

Everytime we make a suggestion
they respond with "Yes, but ..."
It gets frustrating because it's as
though we cannot get thru to them.

The zoo itself has lots of land
+ some very nice enclosures,
several islands with

Ateles / *Cebus* / *Saimiri* / *Nasua*
in a large man-made lake.
lots of large bird enclosures + a
couple of good caiman / alligator
enclosures.

They have a family group of 6
Pteronura + have already sent
some to Germany. Also
breeding *Mazama americana*.

Other few mammals, especially
South American, since at the time they
had planned to have only
Brazilian fauna, they were
pressured into bringing lions / giraffes
and some other African wildlife.

Really sad state is that the state
govt just took a run down
favela in the zoo grounds +

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made it presentable so that
there are 200-2500 people living
in favelas within the zoo grounds!

Apparently they were caught
killing + eating Capybara, as well
as some other zoo species.

The "governor" of Brazilia decided
on making the zoo habitable for
people — a terrible decision!

③ Milton Magalo de Mello met us
at the zoo + dragged us, ~~unknowingly~~
unknowingly to his primate
center (his fazenda).

Milton's primate center
has 3 tiers of Camba-like
cage with *Callithrix jacchus* +
C. penicillata.

Narrow cages but OK for *Callithrix*
unfortunately he had an outbreak
of diarrhea the previous day +
didn't know whether he had
some disease or just bad
mangos.

He has plans to ~~the~~ build a

building for breeding Aotus +
doing malarial research.

Some gossip - ① Doris, his student, who
I liked very much, but who
would never let anyone into
her study area has gone political
and xenophobic. Milton is
rather angry with her.

② Carlos Alves after being kicked
out of IBDF apparently
worked at The Brasilia Zoo +
was sent to Jersey for training.
According to Milton he
smoked dope a bit too frequently,
caused a ruckus, + got ~~it~~ <
kicked out.

Had lunch w/ Milton at Pazzo
Place + talked about Rudy's
course to come + the one
past.

Milton said that Celso
Vale's section

Tue
March 4

was totally disorganized + the
students complained ~~bitterly~~
bitterly, while praising Jim +
The Poco das Antas crowd's contribution.

Milton hates Jordan because he
wouldn't give him permission to
bring in masses of Aotus without having
decent housing.

Milton organizing The 1986
Internal Primate Congr. in
Brasilia! Wants me to organize
symposium on reintroduction.

Milton drops us at IBDF @ 1 hr
late, but no one there anyway.

③ ~~the~~
IBDF

We spend about 3 hours finally
working on a document indicating
IBDF's understanding of the GHLTs. +
The Int. M.C.

It starts slow + with Joesio
again, but we eventually reach

good agreement.

Jim Lou Ann + I have dinner at a place that Jordan wanted to go to before.

Talk at length w/ Ivo re: his coming to NZP for training.

Possible funding sources

FWS; (WPTI); WWF.

SF Short-term Visitor Program
How about AAZPA ???

World Study - >

Wed AM

Wed AM 5 March -

Catch 0745 flight for Belo - late + slow. Finally arrive @ 1030 + head for Bastos house. Jim + Lou Ann have a list of stones to buy which is outrageous + I end up buying much more than I want or need.

We then hit the folklore Palace + I spend another \$125 (\$760 at Bastos).

Jim + Lou Ann then have appointment with faculty from Vigosa who are trying desperately to buy both of them.

We get to airport in time for flight after jointly dropping \$1600 with Bastos and then fly to Rio to Novo Mundo.

Exhausted.

Thursday

6 Mar 86 -

① US Consulate

First thing hit the American Consulate to see our new buddy Ev. He didn't improve, with age at all.

First acted as tho we didn't have any appt. Then noted that it was on his calendar.

Said that they could continue supporting the project at the current rate.

Came out with a few specialities of his:

- ① Has been everywhere in Brazil + hates to go to the same place twice
- ② Thinks monkeys are dirty.
- ③ His inlaws have land up near GLT country - probably Cabo Frio.

② IBDF -

Met Dionizio -

Big crisis w/ Laurenz

CNPq application. He forgot to sign it.

↳ Lourdes noticed it in Brasilia when Dionisio brought it up. So they desperately tried to get hold of Laureny to arrange a meet.

Apparently they were only able to find Laureny at 2AM thru his ex-girlfriend. Since he never told anyone where he stayed with his aunt.

They arranged for him to meet Dionisio at airport. Which worked.

What didn't work was some bizarre arrangement where Dionisio gave the documents to someone flying to Brasilia

to leave at some counter, with the idea that Lourdes would pick them up & deliver them to CNPq. Unfortunately the man never showed & so of life off from Rio for me, & never found out if Laureny got his application in under the deadline.

At IBDF, we had an interview with a reporter re: GLTs.

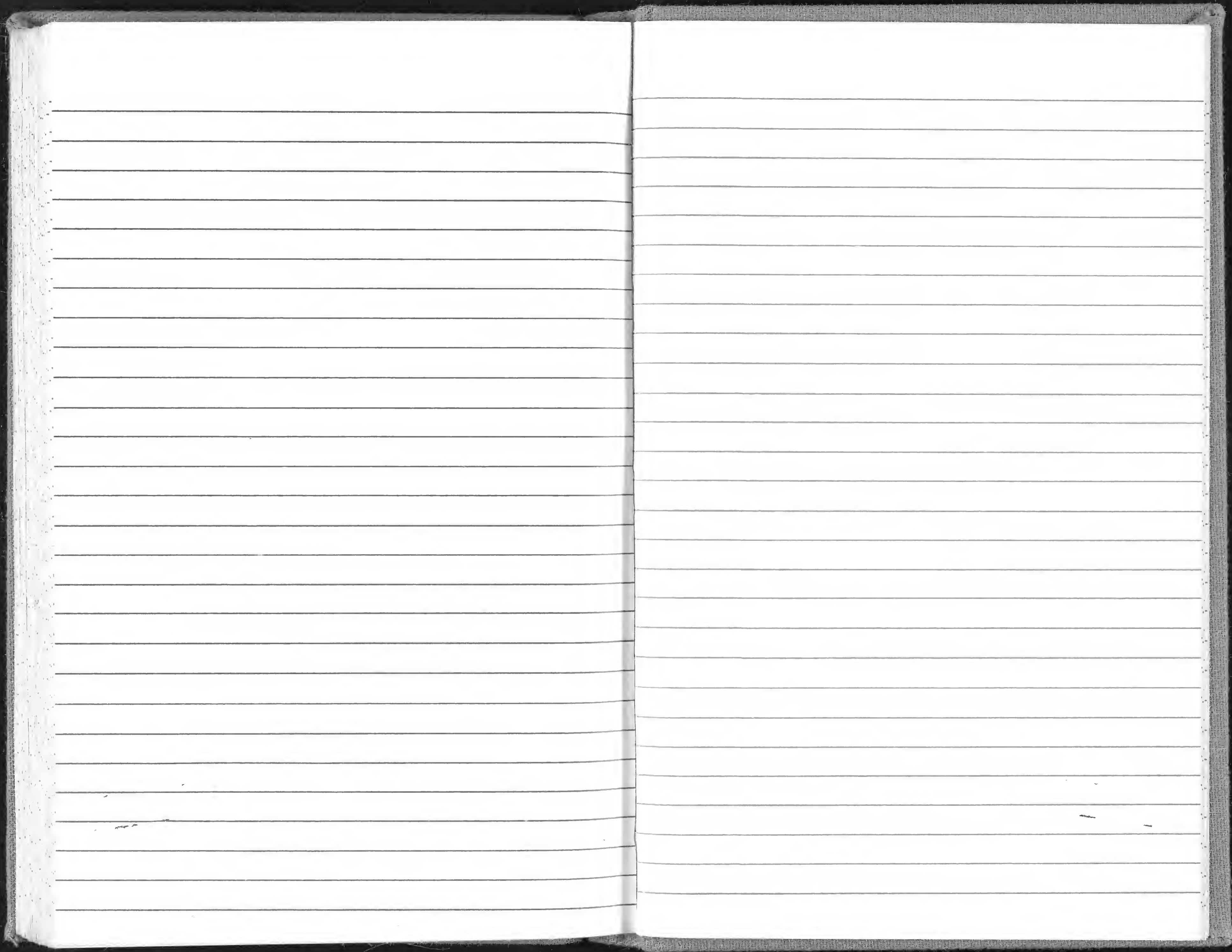
Finished our business with Dionisio & headed for Berant's for lunch.

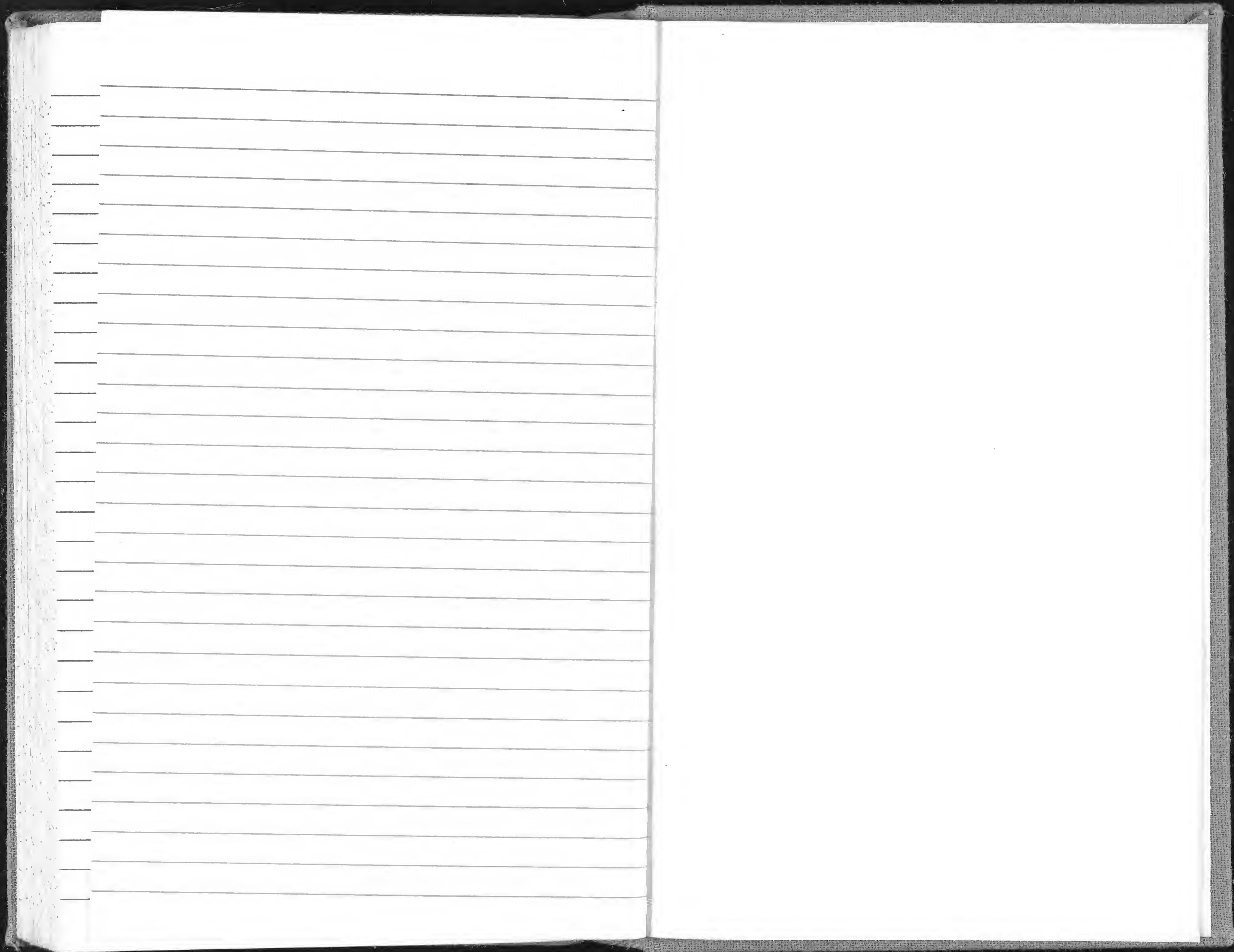
As usual, incredibly good lunch with Berant & too many maracujá batidas!

Berant's monkeys are all gone to CPRT & São Paulo.

To dinner at Dionisio's & a bath.

The worst rain storm I've ever seen first hand. Arda Brasil was so flooded that no cars could get through.





Itamaraty =
State Dept.

